

REMARKS

Reconsideration of the application is respectfully requested in view of the following remarks:

- 1) Applicant appreciates the indication that the arguments filed on September 20, 2010 regarding the rejection of claims 34-36 under 35 U.S.C. §102(e) over Lindqvist et al. (U.S. 6,051,745) have been fully considered and found persuasive, and that the rejection has been overcome by amendment to the claims.
- 2) Applicant appreciates the indication that the arguments filed on September 20, 2010 regarding the rejection of claims 34, 36, 40, and 45 under 35 U.S.C. §102(b) over Hofeditz et al. (U.S. 4,552,138) have been fully considered and found persuasive, and that the rejection has been overcome by amendment to the claims.
- 3) Applicant appreciates the indication that the arguments filed on September 20, 2010 regarding the rejection of claims 34-36, 38, 42, 43, and 45 under 35 U.S.C. §102(b) over Freeman et al. (U.S. 5,681,579) have been fully considered and found persuasive, and that the rejection has been overcome by amendment to the claims.
- 4) Applicant appreciates the indication that the arguments filed on September 20, 2010 regarding the rejection of claims 37 and 39-42 under 35 U.S.C. §103(a) over Lindqvist et al. (U.S. 6,051,747) in view of Lorenz et al (U.S. 5,258,421), evidenced by U.S. 4,832,009, have been fully considered and found persuasive, and that the rejection has been overcome by amendment to the claims.
- 5) Applicant appreciates the indication that the arguments filed on September 20, 2010 regarding the rejection of claim 44 under 35 U.S.C. §102(b) over Lindqvist et al. (U.S.

6,051,747) in view of Freeman et al (U.S. 5,681,579) have been fully considered and found persuasive, and that the rejection has been overcome by amendment to the claims.

6) Applicant appreciates the indication that the arguments filed on September 20, 2010 regarding the rejection of claims 37 and 39-41 under 35 U.S.C. §102(b) over Freeman et al. (U.S. 5,681,579) in view of Lorenz et al (U.S. 5,258,421), evidenced by U.S. 4,832,009, have been fully considered and found persuasive, and that the rejection has been overcome by amendment to the claims.

7) Claims 34-36 and 38-45 are rejected under 35 U.S.C. §103(a) as being unpatentable over Freeman et al. (U.S. 5,681,579) in view of Lorenz et al. (U.S. 5,258,421), evidenced by U.S. 4,832,009. Applicant respectfully traverses the rejection of these claims.

The Office Action states:

It would have been obvious to one of ordinary skill in the art at the time the invention was made to combine the teachings of Freeman and Lorenz and replace Freeman's polyurethane polymer film with the instant silicone-polytetrafluoroethylene IPN polymer film. One would have been motivated to do so since Lorenz teaches that both polyurethane films and the instant film have Liquid barrier properties; however the instant IPN polymer film provides certain advantages for wound and burn dressing by keeping the moisture in, preventing bacteria from entering the wound and absorbing the excess exudates, thereby promoting healing. Therefore, a skilled artisan would have been motivated to utilize the instant polymer film (IPN) in the wound dressing over Freeman's polyurethane film for the advantages taught by Lorenz, i.e. if one desired to provide a structure that also promoted healing by preventing re-infection, i.e. by preventing bacteria from entering the wound site.

None of the cited references teaches or suggests, either alone or in combination, Applicant's dual-purpose wound dressing having both a membrane layer, which comprises a silicone-containing compound, as a bottom outermost layer of a multilayered composite

structure, in which the membrane layer has an outer surface that forms a wound surface containing outer surface that has wound healing characteristics, and a foam layer as a top outermost layer of a multilayered composite structure, in which the foam layer has an outer surface that forms a wound surface contacting outer surface that has wound healing characteristics different from the wound healing characteristics of the outer surface of the membrane layer, as called for in the claims.

Neither Freeman et al. nor Lorenz et al. nor US Patent No. 4,832,009 discloses a wound dressing having **both** a first wound contacting side having a wound surface contacting outer surface having wound healing characteristics and a second wound contacting side having a wound surface contacting outer surface that has wound healing characteristics different from the wound healing characteristics of the outer surface of the first side. There is no suggestion to be gleaned from these references to produce a wound dressing that has **both** a first wound contacting side having a wound surface contacting outer surface that has wound healing characteristics and a second wound contacting side having a wound surface contacting outer surface that has wound healing characteristics different from a wound healing characteristics of the outer surface of the first side.

Freeman et al. disclose various wound dressings comprising a polymeric support layer and an occlusive backing layer overlaying the support layer. Typically, an adhesive layer is applied to the outer face of the support layer, or to the inner surface of an overhanging portion of the occlusive backing layer, for adhering the dressing to the skin of a patient. Freeman et al. state at column 1, lines 8-13, that their invention is directed to new wound dressings that have a superior ability to absorb wound fluid and prevent dressing leakage and wound maceration. Freeman et al. state that the dressings of their invention are particularly adapted for application

on wounds that heavily exudate wound fluids during the healing process. Freeman et al.'s invention has an occlusive film layer 11 that is open to the atmosphere, and has an inner surface 13 which is the side toward the skin (please see column 4, line 15). Freeman et al. further state that their occlusive film layer 11 is selected from a material that is generally impervious to fluid transmission (please see column 4, lines 15-16). Also, Freeman et al. state at column 3, lines 57 to 61, that their invention provides a unique approach to wound care in that their invention provides for the rapid uptake of wound exudate away from the wound, while still providing a moist, occlusive, hydrocolloid environment for wound healing. Clearly, Freeman et al. do not disclose a dual-purpose wound dressing having two different wound surface contacting outer surfaces having two different wound healing characteristics. Freeman et al. not only fail to disclose a wound dressing having two different wound surface contacting outer surfaces having two different wound healing characteristics, but Freeman et al. actually teach away from such a wound dressing. Freeman et al.'s dressing only accomplishes its purpose of providing for the rapid uptake of wound exudate away from the wound while providing a moist, occlusive, hydrocolloid environment for wound healing when the Freeman et al. dressing is oriented with Freeman et al.'s polymeric support layer 12 being in direct contact to the wound and the occlusive layer 11 being oriented above the polymeric support layer 12 and open to the atmosphere. Orienting Freeman et al.'s dressing in the opposite orientation would result in no exudate being absorbed by the Freeman et al. dressing since the occlusive film layer 11 if positioned against the patient's wound would block exudate from being absorbed by the Freeman et al. dressing since the occlusive film layer 11 is selected from a material that is generally impervious to fluid transmission, and therefore failure of the Freeman et al. dressing to provide for rapid uptake of wound exudate away from the wound.

Lorenz et al. teach a tacky gel used as a wound dressing material. Lorenz et al. further teach that this gel may be applied to a substrate film, including a silicone-polytetrafluoroethylene interpenetrating polymer membrane or film. Lorenz et al. specifically teach that the gel is intended to adhere to skin (please see column 2, line 34). Lorenz et al. teach that substrate films may be used as a backing material (please see column 5, line 55). Lorenz et al. teach away from a dressing designed with two different wound-contacting surfaces as to provide disparate wound healing characteristics depending on which face of the dressing is placed in contact with the wound, since Lorenz et al. explicitly call for a wound-contact face and an outer backing material. A fair reading of Lorenz et al. provides an understanding that the gel serves as the contact surface which is to be applied to the skin (please see column 5, lines 33-40). Lorenz et al. discuss backings for the gel. However, it is only the applicant's present invention in which a teaching or disclosure may be gained of a suggestion to provide a wound dressing which has a first wound contacting side having a wound surface contacting outer surface having wound healing characteristics and a second wound contacting side having a wound surface contacting outer surface that has wound healing characteristics different from the healing characteristics of the outer surface of the first side. Lorenz et al. discuss substrates or backings to be used in conjunction with the gel, the gel being the contact surface.

Moreover, the Examiner's reference to the backing being useful as a burn blanket for serious burns in Lorenz et al. is misplaced. What Lorenz et al. actually disclose is that the wrap can serve the function of cooling the burned area through the heat sink effect of water in the hydrophilic gel (please see column 6, lines 28-34). It is clear from a reading of Lorenz et al. that Lorenz et al. are not disclosing a first surface and a second surface which may be placed in contact with the wound but rather Lorenz et al. throughout rely upon the single, gel surface

contacting the skin or wound. The function of cooling the burned area is understood to be accomplished by the water in the hydrophilic gel, when the gel is contacting the skin. It is untenable from a reading of Lorenz et al. to arrive at the conclusion which the Examiner creates in the Office Action. Unlike applicant's invention, Lorenz et al. do not disclose or suggest placing a surface other than the gel in contact with the wound. Contrary to the Examiner's position, Lorenz et al. would not be relied on by one of ordinary skill in the art to arrive at the applicant's present invention.

One of ordinary skill would not be led by any teaching to reverse what Lorenz et al. actually disclose and rely upon for their invention. It would be unfair to impose upon one of ordinary skill in the art the ability to destroy a reference for what it actually discloses in order to then claim that that reference somehow teaches or suggests the applicant's invention.

U.S. Patent No. 4,832,009 states at col. 2, lines 34-44, that the bandage according to the invention of U.S. Patent No. 4,832,009 includes a backing sheet 15 having a top face 17 and a bottom face 19 and is formed from a semi-interpenetrating polymer network material, a pressure sensitive adhesive layer 25 applied to the bottom face 19 and a section of gauze 20 which partially covers the bottom face 19 of the backing sheet 15. The bottom face 19 faces the application site as the bandage is applied to the application site, and the top face 17 faces away from the application site. Accordingly, U.S. Patent No. 4,832,009 teaches away from a wound dressing having two different wound surface contacting outer surfaces having two different wound healing characteristics.

Freeman et al., Lorenz et al., and US Patent No. 4,832,009 show dressings having only one wound surface contacting outer surface for contacting a wound, and there is no suggestion in these references to use the dressings of the references as intended and also in an "up-side down"

orientation, if desired, so as to provide a choice of wound healing characteristics from one dressing to a wound.

Freeman et al. disclose a dressing that has only one wound surface contacting outer surface. Lorenz et al. also has only one wound surface contacting outer surface, with only the gel layer of the dressing being applied to the patient's wound. In Lorenz, if the tacky gel layer is not applied to the entire substrate layer, the non-gel coated inner surface of the substrate layer may be provided with an additional adhesive which contacts the intact skin while the absorbent adhesive gel layer contacts the wound. Similarly, US Patent No. 4,832,009 has only one wound surface contacting outer surface. Accordingly, there is nothing in the references, either taken alone or in combination, that suggests a wound dressing having two different wound surface contacting outer surfaces having two different wound healing characteristics.

Regarding the Examiner's statement that "... the instantly claimed aesthetic design change does not impart patentable significance with regard to the mechanism in which the wound article functions" with regard to claim 41, Applicant notes that claim 41 does not merely recite an aesthetic design change. Applicant's claim 41 calls for a pigmented adhesive layer that provides a visual indicator for differentiating one side of the dressing from the other side of the dressing in the field. None of the references discloses pigment mixed into an adhesive connecting a translucent layer to an opaque layer to distinguish one side of the dressing from the other side of the dressing. This is **structurally** completely different from dying a membrane layer. Applicant's wound dressing permits the entire membrane layer to remain unaffected colorwise, but still have a color orienting indicator.

Based on the above, it is respectfully solicited that the §103(a) rejection of the claims be withdrawn.

- 7) If necessary, an appropriate extension of time to respond is respectfully requested.
- 8) The Commissioner is authorized to charge any additional fees which may be required to Patent Office Deposit Account No. 05-0208.

Respectfully submitted,
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